

## DAFTAR PUSTAKA

- Agarwal, V. K and Sinclair, J. B. 1996. Principle of Seed Pathology. New York: Lewis Publisher.
- Alvarez, B., Biosca, E. G and Lopez, M. M. 2010. On the Life of *Ralstonia solanacearum*, A Destructive Bacterial Plant Pathogen. Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology 1 : 267-279.
- Ambar, A.A., Priyatmojo, A., Hadisutrisno, B dan Pusposendjojo, N. 2010. Virulensi 9 Isolat *Fusarium oxysporum* f.sp *lycopersici* dan Perkembangan Gejala Layu Fusarium pada Dua Varietas Tomat di Rumah Kaca. Jurnal Agrin 14(2): 89-96.
- Aravind, R., Antony, D., Santosh, J., Epen., Kumar, A and Ramana, K. V. 2009a. Isolation and Evaluation of Endophytic Bacteria Against Plant Parasitic Nematodes Infesting Black Pepper (*Piper nigrum* L.). Ind J Nematol. 36(2): 211-217.
- Aravind, R., Kumar, A., Epen, S. J and Ramana, K. V. 2009b. Endophytic Bacterial Flora in Root and Stem Tissues of Black Pepper (*Piper nigrum* L.) Genotype: Isolation, Identification and Evaluation Against *Phytophthora capsici*. Lett Appl Microbiol. 48(1): 58-64.
- Bakker, P. A. H. M., Pieterse, C. M. J and Van Loon, L. C. 2007. Induced Systemic Resistance by Fluorescent *Pseudomonas* spp. Phytopathology. 97: 239-243.
- Bashir, M.R., Atiq, M., Sahi, S.T and Sagheer, M. 2016. Resistance Status of Chilli Germ Plasma Gainst Fusarium Wilt. Transylvania Review. 24(6).636642.
- Beattle, G. A. 2006. Plant-associated bacteria: Survey, Molecular Phylogeny, Genomic and Recent Advances. In: Gnanamanickam S. S. (ed) Plant-Associated Bacteria. Springer. Dordrecht: 1-56.
- Budzikiwicz, H. 2001. Siderophore-Antibiotic Conjugates Used as Trojan Horses Against *Pseudomonas aeruginosa*. Current Topics in Medical Chemistry. 1: 73-92.
- Cappuccino, J. G. 1983. Microbiology: A Laboratory Manual. Addison-Wesley, USA.
- Chen., Bauske., Kabana and Kloepper. 1995. Biological Control Of *Fusarium* Wilt On Cotton by Use Endofitic Bacteria. [www.ag.auburn.edu](http://www.ag.auburn.edu). 5 April 2009.
- Ciampi, L., Sequeira, L and French, E. R. 1980. Latent Infection of Potato Tubers by *Pseudomonas solanacearum*. American Potato Journal. 57: 377-386.

- Compant, S., Duffy, B., Nowak, J., Clement, C and Barka, E. A. 2005. Use of Plant Growth-Promoting Bacteria for Biocontrol of Plant Disease: Principle, Mechanisms of Action and Future Prospects. *Appl. Environ. Microb.* 71: 4951-4959.
- Dey, R., Pal, K. K., Bhatt, D. M and Chauhan, S. M. 2004. Growth Promotion and Yield Enhancement of Peanut (*Arachis hypogea* L.) by Application of Plant Growth-promoting Rhizobacteria. *Microbiological Research*. 159: 371-389.
- Direktorat Perlindungan Hortikultura, 2012. OPT Tanaman Sayuran, Layu Bakteri. Kementrian Pertanian Direktorat Jenderal Hortikultura. Jakarta.
- Djaenuddin, N. 2011. Bioekologi Penyakit Layu *Fusarium oxysporum*. Balai Penelitian Tanaman Serealia Maros. Seminar dan Pertemuan Tahunan XXI PEI, PFI Komda Sulawesi Selatan dan Dinas Perkebunan Pemerintah Provinsi Sulawesi Selatan 7 Juni 2011 di Hotel Singgasana Makassar.
- Doan, T. T and Nguyen, T. H. 2005. Status of Research on Biological Control of Tomato and Groundnut Bacterial wilt in Vietnam. *Proceedings of the 1<sup>st</sup> International Symposium on Biological Control of Bacterial Plant Disease*, Seeheim/Darmstadt, 105-111.
- Edward, E. J., King, W. S., Teck, S. L. C., Jiwan, M., Aziz, Z. F. A., Kundat, F. R., Ahmed, O. H and Majid, A. M. 2013. Antagonistic Activities of Endophytic Bacteria Against *Fusarium* Wilt of Black Pepper (*Piper nigrum*). *Int J Agric Biol.* 15(2):291-296.
- Ferniah, R. S., S. Pujiyanto., S. Purwantisari dan Sapriyadi. 2008. Interaksi Kapang Pathogen *Fusarium oxysporum* dengan Bakteri Kitinolitik Rizosfir Tanaman jahe dan Pisang. *Jurnal Natur Indonesia* 14(1):56-60.
- Fitria, I.N dan Ardyati, T. 2014. Skrining Bakteri Asam Laktat Asal Susu Kambing Peranakan Etawa sebagai Penghasil Bakteriosin. *Jurnal Biotropika* 2(3): 164-168.
- Favel, D. R. 1988. Role of Antibiosis in the Biocontrol of Plant Disease. *Annu. Rev. Phytopathol.* 26: 75-91.
- Fuente, D. L., Bajsa, N., Bagnasco, P., Quagliotto, L., Thomashow, L and Arias, A. 2004. Antibiotic Production by *Pseudomonas fluorescens* Isolated from Forage Legume Rhizosphere. Diakses 01 Februari 2014. <http://www.ag.auburn.edu/argentina/pdfmanuscripts/delafuent.pdf>.
- Fuhrmann, J. J. 1994. Isolation of Microorganisms Producing Antibiotics. p: 379-405. In R. W. Weaver S. Angle P. BOTTOMLEY D. Bezdicek S. Smith A. Tabatabai dan A. Wollum (Eds). *Methods of Soil Analysis (Microbiological and Biochemical Properties)*. SSSA. Wisconsin. USA.

- Gao, F. K., Dai, C. C and Liu, X. Z. 2010. Mechanisms of Fungal Endophytes in Plant Protection Against Pathogens, African Journal of Microbiology Research. 4; 1346-1351. Diakses pada 12 Januari 2012 (Error! Hyperlink reference not valid. Ajmr/PDF/Pdf2010/4Jul/Gao%20et%20al.pdf).
- Glick, B. R and Bashan, Y. 1997. Genetic Manipulation of Plant-Growth Promoting Bacteria to Enhance Biocontrol of Phytopathogen. Biotechnol Adv. 15: 353-378.
- Gnanamanickam, S. S., Brinda, P., Narayanana, N. N., Vasudevan, P and Kavita, S. 1999. An Overview of Bacterial Blight Disease of Rice and Strategic for its Management. Curr. Sci. 77: 1435-1443.
- Habazar, T dan Rivai, F. 2004. Bakteri Patogenik Tumbuhan. Padang. Andalas University Press.
- Habazar, T dan Yaharwandi. 2006. Pengendalian Hama dan Penyakit Tumbuhan. Padang. Andalas University Press. 390 hal.
- Habazar, T., Nasrun., Jamsari dan Rusli, I. 2007. Pola Penyakit Hawar Daun Bakteri (*Xanthomonas axonopodis* pv. *allii*) pada Bawang Merah dan Upaya Pengendalian Melalui Imunisasi Menggunakan Rhizobakteri. Laporan Hasil Penelitian. Padang.
- Hallman, J. A., Quadt-Hallman, A., Mahffe, W. F and Kloeper, J. W. 2007. Bacterial Endophytes in Agricultural Crops. Canadian Journal of Microbiology 43. 895-914.
- Hartati, S. Y., Supriadi., Adhi, E. M and Karyani, N. 1994. Colonization of *Pseudomonas syzygii* and *Pseudomonas solanacearum* clove seedlings. J. Spice Med. Crops 2(2): 24-28.
- Hayward, A.C. 1983. *Pseudomonas*: The Non-Fluorescent *Pseudomonas solanacearum*. J. Appl. Bacterial. 27(2): 265-277.
- Hayward, A. C. 1985. Bacterial Wilt caused by *Pseudomonas solanacearum* in Asia and Australia: An Overview. Di Dalam Persley G. J. (editor). Bacterial Wilt Disease in Asia and South Pasific. Proc. International Workshop held at PCARRD. Los Banos. 8010 Okt. 1985. Canberra: PCARRD. CIP. SAPPRAD. ACIAR: 71-76.
- Hu, Q. P and Xu, J. G. 2011. A Simple Double-Layer Chrome Azurol S Agar (SD CASA) Plate Assay to Optimize The Production of Siderophores by A Potential Biocontrol Agent Bacillus. African Journal of Microbiology Research 5(25): 4321-4327.
- Ilyas, S., Sudarsono, U. S., Nugraha, T. S., Kadir, A. M dan Yukti, Y. F. 2007. Teknik Peningkatan Kesehatan dan Mutu Benih Padi. Laporan Hasil Penelitian KKP3T. Kerjasama Institute Pertanian Bogor dengan Balai Besar Penelitian Padi.



- Jain, D. K., Thomson, D. K., Lee, H and Trevors, J. T. 1991. A Drop-Collapsing Technique Test for Screening Surfactant Producing Microorganisms. J Microbiol Methods 13: 271-279.
- Ji, H. G., Wei, L. F., He, Y. Q., Wu, Y. P and Bai, X. H. 2008. Biological of Rice Bacterial Blight by *Lysobacter* Antibiotic Strain 13-1. Biol. Control 45: 288-289.
- Kamilova, F., Validov, S., Azarova, T., Mulders, I and Lugtenberg, B. 2005. Enrichment for Enhance Competitive Plant Root Tip Colonizers Selects for A New Class of Biocontrol Bacteria. Environ Microbio. 7: 1809-1817.
- Khan, A., Dliferoze, A., Malik, Z.U., Shoaib, A and Khurshid, S. 2012. In-vitro Chemical Control of *Fusarium oxysporum* f.sp *lycopersici*. Mycopathology. 10(2): 57-61.
- Khusnan., Salasia dan Soegiyono. 2008. Isolasi, Identifikasi dan Karakterisasi Fenotipe Bakteri *S. aureus* dari Limbah Penyembelihan dan Karkas Ayam Potong. J. Vet. Adv. 9(1): 45-51.
- King, E. O., Ward, M. K and Raney, D. E. 1954. Two Simple Media for Demonstration of Pyocyanin and Fluorescein. J Lab Clin Med. 44: 301-307.
- Klement, Z., Rudolph, K and Sand, D. C. 1990. Methods in Phytobacteriology. Budapest: Academia Kiado. 148 hal.
- Kloepper, J. W., 1993. Plants Growth Promoting Rhizobacteria as Biological Control Agents. In: Meeting FBJr (Ed) Soil Microbial Ecology Applications in Agricultural and Environmental Management. Marcel Dekker. Inc. New York. p. 255-274.
- Kloepper, J. W., Zablotowiz, R. M., Tipping, E. M and Lifshitz, R. 1991. Plant Growth Promotion Mediated by Bacterial Rhizosphere Colonizers. In: Keister DL, Cregan PB (Ed). The Rhizosphere and Plant Growth, Netherlands. Kluwer Acad Publ. p. 315-326.
- Kumar, A., Devi, S., Pati, S., Payal, C. and Negi, S. 2012. Isolation, Screening and Characterization of Bacteria from Rhizosperic Soils for Different Plant Growth Promoting (PGP) Activities. An In Vitro Study. Recent Research in Science and Technology. 4(1): 1-5.
- Liu, L., Kloepper, J.W and Tuzun, S. 1995. Induction of systemic resistance in cucumber against angular leaf spot by plant growth-promoting rhizobacteria. Phytopathology 85: 843-847
- Madigan, M. T., Martinko, J. M and Parker, J. 1997. Biology of Microorganisms. 8<sup>ed</sup>: Prentice Hall Paper Saddle River. London.

- Mahmud dan Mirin, A. 1987. Pengaruh pemupukan nitrogen dan kalsium terhadap perkembangan penyakit layu fusarium pada tomat. Kongr. Nas. IX PFI, Surabaya, Okt. 1978: 448-453.
- Maksimov, I. V., Abizgildina, R. R and Pusenkova, L. I. 2011. Plant Growth Promoting Rhizobacteria as Alternative to Chemical Crop Protectors from Pathogens (Review). Appl Biochem Microbial. 47: 333-345.
- Martin, C and French, E.R. 1996. Bacterial Wilt of Potato. Lima: International Potato Center.
- Marwan, H., Meity, S. S., Giyanto and Abjad, A. N. 2011. Isolasi dan Seleksi Bakteri Endofit untuk Pengendalian Penyakit Layu pada Tanaman Pisang. J HPT Trop. 11(2): 113-121.
- Mukarlina, S., Khotimah, R dan Rianti. 2010. Uji Antagonis *Trichoderma harzianum* terhadap *Fusarium* spp. Penyebab Penyakit Layu pada Tanaman Cabai (*Capsicum annum* L.) Secara In Vitro. Universitas Tanjungpura. Kalimantan.
- Mullen, M. D. 1998. Transformation of Other Elements. p. 369-386. In D. M. Sylvia. J. J. Fuhrmann. P. G. Hartel. D. A Zubeber (Eds). Principles and Application of Soil Microbiology. Prentice Hall. New Jersey.
- Munif A. 2001. Studies on The Importance of Endophytic Bacteria for Biological Control of Root-Knot Nematode *Meloidogyne incognita* on Tomato (Dissertation). Bonn. Germany: Institute for Plant Disease. University of Bonn.
- Nandhini, S., Sendhilvel, V and Babu, S. 2012. Endophytic Bacteria from Tomato and Their Efficacy Against *Fusarium oxysporum* f.sp *lycopersici*. The Wilt Pathogen. J Biopest. 5(2): 178-185.
- Nasahi, C. 2010. Peran Mikroba dalam Pertanian Organik. Karya Tulis. Bandung: Jurusan Hama dan Penyakit Tumbuhan Fakultas Pertanian Fakultas Pertanian Universitas Padjajaran.
- Nasrun. 2007. Karakteristik *Ralstonia solanacearum* Penyebab Penyakit Layu Bakteri Nilam. Jurnal Littri. 13(2): 43-48.
- Nawangsih, A. A., Hanudin., Sanjaya, L dan Cahyomo, B. 2010. Pengendalian *Erwinia carotovora* pada Anggrek Menggunakan Biopestisida Mikrobial Berbahan Aktif *Bacillus subtilis* and *Pseudomonas fluorescens*. Laporan Akhir KKP3TTA. 2009. Bogor.
- Neereja, C., Anil, K., Purushotham, P., Suma, K., Sarma, P., Moerschbacher, B. M. and Podile, A. R. 2010. Biotechnological Approaches to Develop Bacterial Chitinases as A Bioshield Against Fungal Disease of Plant. Crit Rev Biotechnol. 30: 231-241.

- Nilisma, M. 2018. Karakterisasi Mekanisme Isolat Bakteri Endofit Indigenos Terpilih untuk Pengendalian Penyakit Layu Bakteri dan Layu Fusarium pada Tanaman Cabai secara In Vitro. Skripsi. Padang: Universitas Andalas.
- Pal, K. K and Gardener, B. M. 2006. Biological Control of Plant Pathogens. The Plant Health Instructor. DOI: <http://dx.doi.org/10.1094/PHI-A-2006-1117-02>.
- Park, K. S. and Kloepper, J. W. 2000. Activation of PR-1 A Promoter by Rhizobacteria That Induce Systemic Resistance in Tobacco Against *Pseudomonas syringae* pv. *tabaci*. Bio Cont. 18(5): 2-9.
- Pratiwi, V. 2015. Potensi Bakteri Endofit pada Tanaman Pala (*Myristica fragrans*) sebagai Agen Antagonis untuk Mengendalikan Penyakit Mati Ranting. Fakultas Pertanian, Universitas Syiah Kuala, Banda Aceh.
- Purwanto dan B, Tjahjono. 2002. Pengamatan Penyakit Layu Bakteri pada Tanaman Tomat di Greenhouse dan Pengujian Antagonis. 245-251. Dalam Prosiding Kongr. XVI dan Seminar Ilmiah Nasional PFI. Agustus 2011. Bogor.
- Putri, O.S.D., Sastrahidayat, I.R dan Djauhari, S. 2014. Pengaruh Metode Inokulasi Jamur *Fusarium oxysporum* f.sp *lycopersici* (Sacc.) terhadap Kejadian Penyakit Fusarium pada Tanaman Tomat (*Lycopersicum esculentum* Mill.). Jurnal HPT 2(3).
- Rahayu, M. and Sucahyono, D. 2000. The Effect of Chemical and Natural Bactericide on *Ralstonia solanacearum* Infestation in Groundnut. <http://agris.fao.org>. Diakses 03 Agustus 2015.
- Rayder, M. H., Stephens, P. M. and Bowen, G. D. 1994. Improving Plant Productivity with Rhizosphere Bacteria. Proc. Third International Workshop on Plant Growth-Promoting Rhizobacteria. Adelaide. South Australia. March 7-11. 1994.
- Reid, R.K., Reid, C. P. P and Szanislo, P. J. 1985. Effect of Synthetic and Microbially Produced Chelates on Diffusion of Iron and Phosphorus to A simulated Root in Soil. Biol. Fertil. Soils. 1: 45-52.
- Rodrigues, R. J., White, J. F., Arnold, A. E and Redman, R. S. 2009. Fungal Endophytes: Diversity and functional roles. New Phytologist. 182: 314-330.
- Rosenblueth, M and Martinez, R. E. 2004. Rhizobium Etimize Populations and Their Competitiveness for Root Colonization. Archieve of Microbiology. 181: 337-344.



- Safni, I., Cleenwerck, I., De Vos, P., Fegan, M., Sly, I and Kappler, U. 2014. Polyphasic taxonomic revision of the *Ralstonia solanacearum* species complex: proposal to emend the description of *Ralstonia solanacearum* and *Ralstonia syzygii* and reclassify current *R. syzygii* strains as *Ralstonia syzygii* subsp. *syzygii*. Nov., *R. solanacearum* phylotype IV strains as *Ralstonia syzygii* subsp. *indonesiensis* subsp. nov., banana blood disease bacterium strain as *Ralstonia syzygii* subsp. *celebesensis* subsp. nov, and *R. solanacearum* phylotype I and III strains as *Ralstonia pseudosolanacearum* sp. nov. International journal systematic and evolutionary microbiology, 64(9): 3087-3103.
- Sahi, I.Y and Khalid, A.N. 2007. In Vitro Biological Control of *Fusarium oxysporum* causing Wilt in *Capsicum annum*. Mycopathology 5(2): 85-88.
- Salasia, S. I.O., Khusnan., Lammeler, C and Zshock, M. 2004. Comprative Studies on Pheno- and Genotypic Properties of *Staphylococcus aureus* Isolated from Bovine Subclinical Mastitis in Central Java. Indonesia and Hesse. Germany. J Ves Res Sci. 5(2): 103-109.
- Schaad, N. W., Jones, J. B and Chun, W. 2001. Laboratory Guide for Identification of Plant Pathogenic Bacteria. Third Edition: APS Press. The American Phytopathological Society. St. Paul. Minnesota. 373 pp.
- Schwyn, B and Neilands, J. B. 1987. Universal Chemical Assay for The Detection and Determination of Siderophores. Anal. Biochem. 160: 47-56.
- Semangun, H. 2007. Penyakit-Penyakit Tanaman Hortikultura di Indonesia. Yogyakarta: Gajah Mada University Press.
- Setyari, A. R., Aini, L. Q dan Abadi, A. L. 2013. Pengaruh Pemberian Pupuk Cair Terhadap Penyakit Layu Bakteri (*Ralstonia solanacearum*) pada Tanaman Tomat (*Lycopersicum esculentum* Mill.). Jurnal Hama dan Penyakit Tumbuhan. 1(2): 80-87.
- Shiomi., Silva., Melo., Nunes and Bettiol. 2006. Bioprospecting Endophytic Bacteria for Biological Control of Coffee Leaf Rust. Embrapa Meio Ambiente-Lab. DeMicrobiologia Ambiental. C. P. 69-13820-000-Jaguaruna. SP-Brasil.
- Sigee, D. C. 1993. Bacterial Plant Pathology: Cell and Molecular Aspect. Manchester (UK): Cambridge University Press.
- Simarmata., Rumella., Lekatompessy., Sylvia., Sukiman dan Harmastini. 2007. Isolasi Mikroba Endofitik dari Tanaman Obat Sambung Nyawa (*Gynura procumbens*) dan Analisis Potensinya sebagai Antimikroba. Pusat Penelitian Bioteknologi Lembaga Ilmu Pengentahuan LIPI. Cibinong-Bogor. 16911.
- Smith, H. 1995. Molecular Biology of Plant Cells. Blackwell Scientific Publication. Oxford.

- Soesanto, Loekas. 2008. Pengantar Pengendalian Hayati Penyakit Tanaman. Jakarta: PT. Raja Grafindo Persada.
- Soesanto, Loekas. 2013. Pengantar Pengendalian Hayati Tanaman. Jakarta: Rajawali Pers.
- Stanburry, C., McKirdy, A., Mackie and G, Power. 2001. Bacterial Wilt *Ralstonia solanacearum*-race 3 Exotic Threat to Western Australia. Fact Sheet e Journal(7)[http://www.agric.wa.gov.au/objtwr/imported\\_assets/content/pw/ph/dis/veg/fs00701.pdf](http://www.agric.wa.gov.au/objtwr/imported_assets/content/pw/ph/dis/veg/fs00701.pdf). Diakses 30 Januari 2014.
- Stephens, P. M., Crowley, J. J and O'Connel, C. 1993. Selection of *Pseudomonas* Strains Inhibiting Phylumultimum on Sugar Beet Seeds in Soil. Soil Biol Biochem. 25: 1283-1288.
- Sturz, A. V and Matheson, B. G. 1996. Populations of Endophytic Bacteria which Influence Host-Resistance to *Erwinia* Induced Bacterial Soft Root in Potato Tubers. Plant Soil. 184: 265-271.
- Sturz, A. V., Christie, B. R and Nowak, J. 2000. Bacterial Endophytes: Potensial Role in Developing Sustainable Sistem of Crop Production. Critical Reviews in Plant Science. 19: 1-30.
- Suhardi. 1979. Pengujian Resistensi Varietas-Varietas Tomat terhadap *Fusarium oxysporum* f.sp *lycopersici* di Rumah Kaca. Bul. Penel. Hort 7.
- Suhardi. 1980. Virulensi Dua Galur Ras 1 *Fusarium oxysporum* f.sp *lycopersici* pada Tanaman Tomat. Bul. Penel. Hort. 8 (6): 9-13.
- Suprpta, DN., Apriani, L., Temaja and I Gede, R.M. 2014. Uji Efektivitas Fungisida Alami dan Sintesis dalam Mengendalikan Penyakit Layu *Fusarium* pada Tanaman Tomat yang Disebabkan oleh *Fusarium oxysporum* f.sp *lycopersici*. Jurnal Agroekoteknologi Tropika 3 (3).
- Supriadi. 1994. Characteristics of *Pseudomonas solanacearum* from Ginger. 7 hlm. Simposium Tanaman Industri II. Cipayung, 21-23 November 1994.
- Suryadi, Y., Priyatno, T. P., Samudra, I. A., Susilowati, D. N., Patricia dan Irawati, W. 2013. Karakterisasi dan Identifikasi Isolat Bakteri Endofitik Penghambat Jamur Patogen Padi. Bul Plasma Nutfah. 19(1): 25-32.
- Susanna., Chamzurni, T dan Pratama, A. 2010. Dosis dan Frekuensi Kascing untuk Pengendalian Penyakit Layu *Fusarium* pada Tanaman Tomat. Jurnal Floratek 5: 152-163.
- Susanti, E., F, Widiyanti dan T, Suganda. 2003. Pembuatan Strain Nonpatogenik *Fusarium oxysporum* f.sp *lycopersici* dengan Radiasi Sinar Ultraviolet. Kongr. Nas. XVII PFI. Bandung, Agustus 2003.



- Sutariati, G.A.K., Madiki, A dan Khairuni, A. 2014. Integrasi Teknik Invigorasi Benih dengan Rizobakteri untuk Pengendalian Penyakit dan Peningkatan Hasil Tomat. Jurnal Fitopatologi Indonesia 10(6): 188-194.
- Ummulbalqis. 2006. Karakterisasi Protease dari Ekskretor/Sekretori Stadium L3 *Ascaridia galli*. <http://www.damandiri.or.id/file/ummulbalqisipbbab5.pdf>. Diakses 14 Juni 2010.
- Van Loon, L. C. 2000. Systemic Induced Resistance: 521-574 in A. J, Slusarenko., R. S. S, Fraser dan L. C, van Loon (eds). Mechanism of Resistance to Plant Disease. Kluwer Academic Publisher. London.
- Van Loon, L. C. 2007. Plant Response to Plant Growth Promoting Rhizobacteria. Eur. J. Plant Pathol. 119: 243-254.
- Vater, J., Kablitz, B., Wilde, C., Franke, C., Mehta, N and Cameotra, S. S. 2002. Matrix Assisted Laser Desorption Ionization-Time of Flight Spectrometry of Lipopeptide Biosurfactant in Whole Cell and Culture Filtrates of *Bacillus subtilis* C-1 Isolated from Petroleum Sludge. J. Appl. Environ. Microbiol. 68: 6210-6219.
- Veena, M. S., Khrisnappa., Shetty, H. S., Mortensen, C. N and Mathur S. B. 1996. Seed Borne Nature Transmission of *Xanthomonas oryzae* pv. *oryzae*. Plant Pathogenic Bacteria: 420-429.
- Velusamy, P., Immanuel, J. E., Gnanamanickam, S. S and Thomashow, L. 2006. Biological Control of Bacterial Blight by Plant Associated Bacteria Producing 2,4 diacetylphloroglucinol. Canad. J. Microbio. 152: 56-65.
- Vikal, Y., Das, B., Goel, R. K., Sidhu, J. S and Singh, K. 2007. Identification of New Sources of Bacterial Blight Resistance in Wild *Oryza* Species. Plant Genetic Resources. 5: 108-112.
- Wang, J.F. 1998. Basic Protocols for Conducting Research on Tomato Bacterial Wilt Caused by *Ralstonia solanacearum*. Shanhu: Asian Vegetable Research and Development Center.
- Webber, J. 1981. A Natural Control of Dutch Elm Disease. Nature. 292: 449-451.
- Widjayanti, T. 2012. Pengaruh Varietas Kedelai, Mulsa Jerami dan Aplikasi PGPR terhadap Penyakit Pustul Bakteri dan Kelimpahan Bakteri Rizosfer. Tesis. Bogor: Institut Pertanian Bogor.
- Widodo, M. S., Sinaga, I., Anas dan Macmud, M. 1993. Penggunaan *Pseudomonas* spp. Kelompok Fluoresen untuk Pengendalian Penyakit Akar Gada (*Plasmodiophora brassicae* wor.) pada Caisin (*Brassica campestris* L. var. *chinensis* (Rupr.) Olson). Bull. HPT 62: 94-105.
- Wiryanta, B. T. W. 2002. Bertanam Tomat. Jakarta: PT. Agro Media Pustaka.

- Yabuuchi, E., Kosaka, Y., Oyaizu, H., Yano, I., Hotta, H., Hashimoto, Y., Ezaki, T and Arakawa, M. 1992. Proposal Of *Burkholderia* Gen. Nov and Transfer of Seven Species of The *Pseudomonas* homology Group II to The New Genus. with The Type Species *Burkholderia cepacia* (Palleroni dan Holmes. 1981) Comb. Nov. J. of Microbiol. Immunol. 36: 1251-1257.
- Yabuuchi, E., Kosaka, Y., Yano, I., Hotta, H and Nishiuchi, Y. 1995. Transfer of Two *Burkholderia* and An *Alcaligenes* Species to *Ralstoniagen*: Proposal of *Ralstonia pickettii* (Ralston., Paleroni dan Doudoroff. 1973) Comb. Nov. *Ralstonia solanacearum* (Smith. 1986). Comb. Nov and *Ralstonia eutropha* (Davis. 1996) Comb. Nov. J. Microbiol. Immunol. 39 (11): 897-904.
- Yanti, Y., Habazar, T., Reflinaldon., Nasution, C. R and Felia, S. 2017. Indigenous *Bacillus* spp. Ability to Growth Promoting Activities and Control Bacterial Wilt Disease (*Ralstonia solanacearum*). Biodiversitas Journal of Biological Diversity. Vol. 18(4): 1562-1567.
- Yanti, Y., Habazar, T., Resti, Z dan Suhalita, D. 2013. Penapisan Isolat Rhizobakteri dari Perakaran Tanaman Kedelai yang Sehat untuk Pengendalian Penyakit Pustul Bakteri (*Xanthomonas axonopodis* pv. *glycines*). Jurnal HPT Tropika. 13(1): 24-34.
- Yanti, Y., Warnita., Reflin., Nasution, C. R., Rachim, S. R dan Afdholina. 2017. Biological Control of *Ralstonia* and *Fusarium* Wilt in Tomato by Selected Indigenous Endophytic Bacteria under Screenhouse Conditions. 5<sup>th</sup> Asian PGPR International Conference for Sustainable Agriculture. 16-19 Juli 2017, Bogor.
- Yanti, Y., Warnita., Reflin and Munzir Busniah. 2017. Indigenous Endophyte Bacteria Ability to Control *Ralstonia* and *Fusarium* Wilt Disease on Chili Pepper. Biodiversitas Journal of Biological Diversity. Vol. 19(4): 1532-1538.
- Yasmin, F., Othman, R., Sijam, K and Saad, M. S. 2009. Characterization of Beneficial Properties of Plant Growth Promoting Rhizobacteria Isolated from Sweet Potato Rhizosphere. Afr. J. Microbiol. Res. 3(11): 815-821.
- Ziedan, E. H. E. 2006. Manipulating Endophytic Bacteria for Biological Control to Soil Borne Disease of Peanut. National Research Center. Plant Pathology Department. Dokki. Cairo. Egypt.